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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 09/556,830 | 04/21/2000 | Scott A. Hollenbeck | 6978.0075 | 6410 |

23838 7590 12/24/2003
KENYON & KENYON
1500 K STREET, N.W., SUITE 700
WASHINGTON, DC 20005

EXAMINER

NGUYEN, CHAU T

| ART UNIT | PAPER NUMBER |
|----------|--------------|
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2176

DATE MAILED: 12/24/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application

09/556,830

Applicant(s)

HOLLENBECK ET AL.

Examiner

Chau Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ____ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☐ Claim(s) ____ is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☐ Claim(s) ____ is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) ____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s) ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

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DETAILED ACTION

1. Amendment A, received on 10/8/2003, has been entered. Claims 6-20, 25, and 29 are presented for examination.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 6-7, 9-20, 25, and 29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Broadhurst, Patent No. 6,560,634, and further in view of Farrow et al. (Farrow), Patent No. 6,374,295.

4. As to claims 6 and 20, Broadhurst-Farrow disclose a method for use in a registry for processing a domain name registration operation in a shared registration system comprising the steps of:

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receiving a request for performing a domain name registration operation (Broadhurst, col. 6, lines 44-67);

parsing the request (Broadhurst, col. 6, lines 10-26);

instantiating one or more objects, the objects corresponding to attributes included in the request (Broadhurst, col. 6, lines 44-67);

However, Broadhurst does not disclose determine whether the registrar is authorized to perform an action necessitated by the operation, execute the operation based on a determination that the registrar is authorized, store changes necessitated by the operation in a database, and sending a response to the registrar, the response indicating success or failure of the operation.

In the same field of endeavor, Farrow discloses the DNS servers 202A-N (registrar) must first login with the server manager 201 through a TCP link, and if the login process is successful, the servers 2002A-N must set their server id in able to issue command and requests to the server manager 201 for processing (col. 4, lines 18-62), and if the login process is failure, the server manager 201 drops the TCP link (col. 4, lines 18 – col. 5, line 18). Farrow also discloses the server manager 201 performs validations to the servers 202A-N, and so the servers can issue requests for configuration information from the central database (col. 4, line 63 – col. 5, line 59). Since Farrow teaches a method for managing IP addressing in a network communication between a central database and one or more servers (registrars) to register a domain name, which is similar to the method for requesting to register a domain name of Broadhurst, it would have been obvious to one of ordinary skills in the

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art at the time the invention was made to combine the teachings of Farrow and Broadhurst to include authenticate a registrar that sent the request, determine whether the registrar is authorized to perform an action necessitated by the operation, execute the operation based on a determination that the registrar is authorized, store changes necessitated by the operation in a database, and sending a response to the registrar, the response indicating success or failure of the operation. Farrow suggests that servers 202A-N establish a link with the server manager 201 to issue requests for configuration information from the central database or send updated configuration information to the central database.

5. As to claim 7, Broadhurst-Farrow disclose determining whether the request is valid before the instantiating step (Broadhurst, col. 5, line 43 – col. 6, line 67).

6. As to claim 9, Broadhurst-Farrow disclose wherein the request includes a command name and an entity block (Broadhurst, col. 6, lines 44-67 and Fig. 6c).

7. As to claim 10, Broadhurst-Farrow disclose wherein the entity block includes an indication as to whether the operation pertains to a domain name or a name server (Broadhurst, col. 6, lines 44-67 and Fig. 6c).

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8. As to claim 11, Broadhurst-Farrow disclose wherein the operation enables a registrar to register a domain name or a name server (Farrow, col. col. 4, line 18 – col. 5, line 59).

9. As to claim 12, Broadhurst-Farrow disclose wherein the operation enables a registrar to determine whether a domain name or name server has previously been registered (Broadhurst, col. 6, lines 15-37).

10. As to claim 13, Broadhurst-Farrow disclose wherein the operation enables a registrar to delete the registration of a domain name or delete a name server (Farrow, col. col. 4, line 18 – col. 5, line 59).

11. As to claim 14, Broadhurst-Farrow disclose wherein the operation enables a registrar to update a registered domain name or name server (Farrow, col. 7, line 57 – col. 8, line 22).

12. As to claim 15, Broadhurst-Farrow disclose wherein the operation enables a registrar to close a connection with the registry (Farrow, col. col. 4, line 18 – col. 5, line 59).

13. As to claim 16, Broadhurst-Farrow disclose wherein the operation enables a registrar to re-register a domain name (Farrow, col. col. 4, line 18 – col. 5, line 59).

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14. As to claim 17, Broadhurst-Farrow disclose wherein the operation enables a registrar to authenticate a connection with the registry (Farrow, col. col. 4, line 18 – col. 5, line 59).

15. As to claim 18, Broadhurst-Farrow disclose wherein the operation allows a registrar to determine the current status of a domain name or name server (Farrow, col. col. 4, line 18 – col. 5, line 59).

16. As to claim 19, Broadhurst-Farrow disclose wherein the operation allows a registrar to request transfer of domain name sponsorship from a second registrar and to approve or reject transfer requests initiated by other registrars (Farrow, col. col. 4, line 18 – col. 5, line 59).

17. Claims 25 and 29 are corresponding apparatus and computer-readable medium claims containing similar limitations as discussed in claims 6 and 20. Therefore, they are rejected under the same rationale.

18. Claim 8 is rejected under 35 U.S.C. 103(a) as being unpatentable over Broadhurst and Farrow as discussed in claims 6-7, 9-20, 25, and 29, and further in view of Hollenbeck et al. (Hollenbeck), RFC 2832.

19. As to claim 8, Broadhurst-Farrow, however, do not disclose wherein the request is a registry registrar protocol (RRP) request. In the same field of endeavor, Hollenbeck discloses Registry Registrar Protocol (RRP) developed by the Network Solutions, Inc.

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Registry under the auspices of the Shared Registration System program (page 3). Thus, it would have been obvious to one of ordinary skills in the art at the time the invention was made to combine the teachings of Hollenbeck and Broadhurst-Farrow to include a Registry Registrar Protocol (RRP) to permit multiple registrars providing second level Internet domain name registration services in the top level domains (TLDs) administered by a TLD registry.

Response to Arguments

20. In the remark, Applicant argued in substance that

Prior art does not disclose "instantiating one or more objects, the objects corresponding to attributes included in the request".

Broadhurst discloses in col. 6, lines 44-67 that a user requests to register a domain name, then the user is linked to an HTML order form, which dynamically crates an order request for a particular domain name in the specified domain, and the user supplies credit card and contact information (one or more objects), and these objects correspond to attributes in the order form.

21. Applicant's arguments filed 10/08/2003 have been fully considered but they are not persuasive. Please the response to arguments above.

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THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chau Nguyen whose telephone number is (703) 305-4639. The examiner can normally be reached at 8:00 am – 5:00 pm Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild can be reached on (703) 305-9792. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3230.

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Any response to this final action should be mailed to:

Box AF

Commissioner of Patents and Trademarks

Washington, D.C. 20131

Or Faxed to:

(703) 872-9306, (for **formal communications**; please mark
"EXPEDITE PROCEDURE").

Or:


(703) 746-7240 (for **informal or draft communications**, please label
"PROPOSED" or "DRAFT").

Or:

(703) 872-9306 (for **After Final Communications**).

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal
Drive, Arlington, VA., Sixth Floor (Receptionist).

Chau Nguyen
Patent Examiner
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JOSEPH H. FEILD
PRIMARY EXAMINER